

10/524927

DT05 Rec'd PCT/PTO 17 FEB 2005

EXPRESS MAIL MAILING LABEL: ER 224689727 US

1/2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Seeley et al.
Serial No.: n/a
Filed: Concurrently Herewith
Entitled: Utilization of Waste Gas Streams
Atty. Dkt.: M02B149

Group Art Unit: n/a
Examiner: n/a

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

The Examiner's attention is directed to the documents identified on the attached Forms PTO/SB/08A and PTO/SB/08B "Information Disclosure Statement By Applicant." A copy of each non-US patent document is enclosed.


Please consider all the listed documents and list them on the cover sheet of any patents to issue from the subject application.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or within three months of the date of entry of the National Phase of an international application or before the mailing of a first Office Action on the merits.

In accordance with 37 CFR 1.97(b), no additional fee is due. As a precaution, the Commissioner is hereby authorized to charge to Deposit Account No. 02-2865 any fee required by this submission.

Very truly yours,

Date: Feb 17, 2005
The BOC Group, Inc.
Legal Services - Intellectual Property
575 Mountain Avenue
Murray Hill, NJ 07974
(908) 771-6469


Ira Lee Zebrak
Attorney for Applicant(s)
Reg. No. 31,147

Attachments
Forms PTO/SB/08A & PTO/SB/08B
Cited References

ILZ:bjl

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
Trademark Office; U.S. DEPARTMENT OF COMMERCE
information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number

Filing Date

First Named Inventor

SEELEY et al.

Art Unit

Examiner Name

Attorney Docket Number

M02B149

Sheet | 1

of 3

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	3	EP 0 687 494 A1	12-20-1995	Japan Pionics		
	4	EP 0 624 392 A1	11-17-1994	Japan Pionics		
	5	EP 1 048 710 A1	11-02-2000	Air Liquide		
	6	EP 0 595 100 A1	05-04-1994	Linde AG		
	7	WO 02/02220 A1	01-10-2002	H2GEN		
	8	WO 00/59610 A1	10-12-2000	Fukunishi et al		

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

10/524927
DT05 Rec'd PCT/PTO 17 FEB 2005
PTO/SB/08A(08-03)

Approved for use through 07/31/2006. OMB 0651-0031
Trademark Office; U.S. DEPARTMENT OF COMMERCE
information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

(Use as many sheets as necessary)

Sheet	2
-------	---

of 3

Filing Date

First Named Inventor

SEELEY et al.

Art Unit

Examiner Name

Attorney Docket Number

M02B149

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	9	JP 07016447 A	01-20-1995	Japan Pionics		
	10	JP 60077103 A	05-01-1985	Mitsubishi KK		

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

EXPRESS MAIL MAILING LABEL: ER 224689727 US

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	SEELEY et al.
		Art Unit	
		Examiner Name	
Sheet 3	of 3	Attorney Docket Number	M02B149

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	John P. Collins, J. Douglas Way; Catalytic Decomposition of Ammonia in a Membrane Reactor; JOURNAL OF MEMBRANE SCIENCE 96 (1994) 259-274	
	12	Patent Abstracts of Japan; Shimada Takashi; Method and Apparatus for Purification of Exhaust Gas; JP 2000 233117 A (Japan Pionics Co Ltd); 08-29-2000; abstract	
	13	WPI Abstract Accession No 2001/009519-02; EP 1 048710 A1; 11-02-2000; Process for Producing Hydrogen from a Gas Produced in a Waste Treatment Unit; Air Liquide; abstract	
	14	WPI Abstract Accession No 1994-145419 [18]; EP 0 595100 A1; 05-04-1994; Process for Producing Highly Pure Streams of Hydrogen and Carbon Monoxide; Linde AG; abstract	
	15	WPI Abstract Accession No 2000/638433-61; WO 2000/59610 A1; 10-12-2000; Mixed Gas Separating Method and Separating Apparatus; Fukunishi et al.; abstract	
	16	WPI Abstract Accession No 1995/093157-13; JP 07016447 A; 01-20-1995; Gas Generator; Nippon Pionics KK; abstract	
	17	WPI Abstract Accession No 1985/143312-24; JP 60077103 A; 05-01-1985; Steam Reforming of Methanol; Mitsubishi KK; abstract	
	18	International Search Report of International Application No. PCT/GB03/03670; date of mailing of the international search: report 05-12-2003	
	19	United Kingdom Search Report of Application No: GB 0219735.8; Date of search: February 27, 2003	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.